J. Electroanal. Chem., 274 (1989) 340
Elsevier Sequoia S.A., Lausanne – Printed in The Netherlands

Author index

Abrantes, L.M. 289
Abruña, H.D. 185
Alonzo, D.C. 167

Bardin, M. 107
Basu, A.S. 235
Bedioui, F. 271
Bélanger, D. 143
Bilewicz, R. 201
Birke, R.L. 297
Bostanov, V. 179
Bruckenstein, S. 157

Clarisse, C. 107
Compton, R.G. 249
Corbeau, P. 107

Daifuku, H. 313
Dao, L.H. 135
De Paoli, M.A. 225
Devynck, J. 271
Doblhofer, K. 95

Eriksson, S. 117

Fortier, G. 143
Furuya, N. 245

Głodowski, S. 201
Gruszecki, T. 117
Guay, J. 135

Harrington, D.A. 61, 81
Heusler, K.E. 345
Hillman, A.R. 157
Holmström, B. 117
Hussey, C.L. 325

Ito, M. 305

Juliano, V.F. 225
Jursa, J. 1

Kadisova, G.G. 319
Kalaji, M. 289
Kanda, S. 281
Kawagoe, T. 313
Kitamura, F. 305
Kossmehl, G. 213
Kublik, Z. 201
Kulesza, P.J. 95

Labbe, E. 271
Lahmann, C. 213
Landolt, D. 345
Lewerenz, H.-J. 11
Lind, E.-L. 35
Lindholm, B. 35
Lorenz, W. 123
Love, J.G. 263
Loveday, D.C. 157

Matsuda, S. 305
McQuillan, A.J. 263
Mesquita, J.C. 289
Miller-Folk, R.R. 257
Mirkin, M.V. 319
Munemori, N. 281

Nadreau, J. 143
Naneva, R. 179
Nilov, A.P. 319
Noftle, R.E. 257

Ohsaka, T. 313
Oyama, N. 313

Peres, R.C.D. 225
Pernaut, J.M. 225
Peter, L.M. 289
Pletcher, D. 257
Plichon, V. 107
Plieth, W.J. 213
Popov, A. 179

Retter, U. 1
Riou, M.T. 107

Samanta, T. 235
Scharifker, B.R. 167
Sharp, M. 35
Shibata, M. 245
Sourisseau, R. 123
Stumper, J. 11
Sun, I.-W. 325

Takahashi, M. 305
Totland, K.M. 61
Trasatti, S. 345

Unwin, P.R. 249

Vetterl, V. 1
Vitanov, T. 179

White, J.H. 185

Yamamoto, N. 313

Zerbino, J. 213

J. Electroanal. Chem., 274 (1989) 340
Elsevier Sequoia S.A., Lausanne – Printed in The Netherlands

Author index

Abrantes, L.M. 289
Abruña, H.D. 185
Alonzo, D.C. 167

Bardin, M. 107
Basu, A.S. 235
Bedioui, F. 271
Bélanger, D. 143
Bilewicz, R. 201
Birke, R.L. 297
Bostanov, V. 179
Bruckenstein, S. 157

Clarisse, C. 107
Compton, R.G. 249
Corbeau, P. 107

Daifuku, H. 313
Dao, L.H. 135
De Paoli, M.A. 225
Devynck, J. 271
Doblhofer, K. 95

Eriksson, S. 117

Fortier, G. 143
Furuya, N. 245

Głodowski, S. 201
Gruszecki, T. 117
Guay, J. 135

Harrington, D.A. 61, 81
Heusler, K.E. 345
Hillman, A.R. 157
Holmström, B. 117
Hussey, C.L. 325

Ito, M. 305

Juliano, V.F. 225
Jursa, J. 1

Kadisova, G.G. 319
Kalaji, M. 289
Kanda, S. 281
Kawagoe, T. 313
Kitamura, F. 305
Kossmehl, G. 213
Kublik, Z. 201
Kulesza, P.J. 95

Labbe, E. 271
Lahmann, C. 213
Landolt, D. 345
Lewerenz, H.-J. 11
Lind, E.-L. 35
Lindholm, B. 35
Lorenz, W. 123
Love, J.G. 263
Loveday, D.C. 157

Matsuda, S. 305
McQuillan, A.J. 263
Mesquita, J.C. 289
Miller-Folk, R.R. 257
Mirkin, M.V. 319
Munemori, N. 281

Nadreau, J. 143
Naneva, R. 179
Nilov, A.P. 319
Noftle, R.E. 257

Ohsaka, T. 313
Oyama, N. 313

Peres, R.C.D. 225
Pernaut, J.M. 225
Peter, L.M. 289
Pletcher, D. 257
Plichon, V. 107
Plieth, W.J. 213
Popov, A. 179

Retter, U. 1
Riou, M.T. 107

Samanta, T. 235
Scharifker, B.R. 167
Sharp, M. 35
Shibata, M. 245
Sourisseau, R. 123
Stumper, J. 11
Sun, I.-W. 325

Takahashi, M. 305
Totland, K.M. 61
Trasatti, S. 345

Unwin, P.R. 249

Vetterl, V. 1
Vitanov, T. 179

White, J.H. 185

Yamamoto, N. 313

Zerbino, J. 213

J. Electroanal. Chem., 274 (1989) 341–344
Elsevier Sequoia S.A., Lausanne – Printed in The Netherlands

Subject index

Ad-atoms,
catalysis by ———. Part III. Enhancement effect of Sn ad-atoms with oxygen donation at Pt catalysts on H_2 oxidation in the gaseous phase (Shibata, Furuya) 245
Adenine,
influence of ——— on the electrochemical behaviour of the Cu(II)/Cu(0) system (Bilewicz et al.) 201
Adsorption films,
on the stability of condensed ——— (Retter et al.) 1
Alkali chlorides,
comparative studies on the conductances and energetics of transport of aqueous solutions of ——— through microporous membranes without and with control of pores using potassium salt precipitates (Samanta, Basu) 235
Aluminium chloride,
electrochemical reduction of palladium(II) in the basic ——— + 1-methyl-3-ethylimidazolium chloride molten salt (Sun, Hussey) 325
4-Aminobiphenyl,
formation of poly(4-phenylaniline) by electropolymerization of ——— or diphenylamine (Guay, Dao) 135
Antimony,
——— electrodeposition on the mercury electrode (Mirkin et al.) 319

Band–band excitation,
alternating photocurrents under ——— on n-GaAs electrodes (Sourisseau, Lorenz) 123

Cadmium,
zero charge potential and structure of the electric double layer of the (0001) face of a ——— single crystal in NaF solution (Naneva et al.) 179
Carbon monoxide,
potential dependent FTIR spectra of ——— adsorbed at the platinum electrode/absolute methanol solution interface (Love, McQuillan) 263
Ceramic electrodes,
electron transfer reactions at Ebonex ——— (Miller-Folk et al.) 257
Channel electrode,
determination of heterogeneous kinetics using the ———. Analytical equations for shielding factor measurements (Unwin, Compton) 249
Charge propagation,
aspects of ——— through Nafion/$Os(bipy)^{2+/3+}$ films on glassy-carbon electrodes (Sharp et al.) 35
Condensed adsorption films,
on the stability of ——— (Retter et al.) 1
Coordination polymers,
electrical properties of electrodes modified by ——— (Kanda, Munemori) 281
Copper,
in-situ surface EXAFS study of ——— underpotential deposition on Pt (111). Part I. The observation of strong in-plane scattering at submonolayer coverage (White, Abruña) 185
Copper ion,
influence of adenine on the electrochemical behaviour of the Cu(II)/Cu(0) system (Bilewicz et al.) 201
Corrosion nomenclature,
electrochemical ——— (Heusler et al.) 345

Diphenylamine,
formation of poly(4-phenylaniline) by electropolymerization of 4-aminobiphenyl or ——— (Guay, Dao) 135
Dodecyl sulphate,
electrochemical study of polypyrrole/——— (Pernaut et al.) 225

Double layer,
zero charge potential and structure of the electric ——— of the (0001) face of a cadmium single crystal in NaF solution (Naneva et al.) 179

Ebonex,
electron transfer reactions at ——— ceramic electrodes (Miller-Folk et al.) 257
Electron transfer,
——— reactions at Ebonex ceramic electrodes (Miller-Folk et al.) 257
Eutectic,
electrochemical reduction of palladium(II) in the basic aluminium chloride + 1-methyl-3-ethylimidazolium chloride molten salt (Sun, Hussey) 325
Extended X-ray absorption fine structure spectroelectrochemistry,
in-situ surface ——— study of copper underpotential deposition on Pt (111). Part I. The observation of strong in-plane scattering at submonolayer coverage (White, Abruña) 185

Film electrode,
new stable modified electrodes coated by electroactive films of polypyrrole nickel(II)–bipyridine complex (Labbe et al.) 271
Film formation,
anodic ——— on illuminated n-GaAs electrodes studied by time-resolved photoelectrochemistry (Gruszecki et al.) 117

Gallium arsenide,
alternating photocurrents under band–band excitation on n-GaAs electrodes (Sourisseau, Lorenz) 123
Anodic film formation on illuminated n-GaAs electrodes studied by time-resolved photoelectrochemistry (Gruszecki et al.) 117
Glassy carbon,
aspects of charge propagation through Nafion/$Os(bipy)_3^{2+/3+}$ films on ——— electrodes (Sharp et al.) 35
Glucose oxidase,
electrochemistry of the polypyrrole ——— electrode (Bélanger et al.) 143

Heterogeneous kinetics,
determination of ——— using the channel electrode. Analytical equations for shielding factor measurements (Unwin, Compton) 249

Hydrogen,
catalysis by ad-atoms. Part III. Enhancement effect of Sn ad-atoms with oxygen donation at Pt catalysts on H_2 oxidation in the gaseous phase (Shibata, Furuya) 245

Infrared spectroscopy,
dynamic aspects of methanol oxidation on Pt electrodes by time resolved infrared reflection absorption spectroscopy (Matsuda et al.) 305
Potential dependent FTIR spectra of carbon monoxide adsorbed at the platinum electrode/absolute methanol solution interface (Love, McQuillan) 263
In-plane scattering,
in-situ surface EXAFS study of copper underpotential deposition on Pt (111). Part I. The observation of strong ——— at submonolayer coverage (White, Abruña) 185
Interfacial processes,
dynamic ——— at the amorphous silicon/aqueous electrolyte boundary (Stumper, Lewerenz) 11

Lead amalgam electrodes,
anodic phase formation on ——— in sodium sulfide solution (Totland, Harrington) 61

Mercury,
antimony deposition on the ——— electrode (Mirkin et al.) 319
Methanol,
dynamic aspects of ——— oxidation on Pt electrodes by time resolved infrared reflection absorption spectroscopy (Matsuda et al.) 305
Potential dependent FTIR spectra of carbon monoxide adsorbed at the platinum electrode/absolute ——— solution interface (Love, McQuillan) 263
1-Methyl-3-ethylimidazolium chloride,
electrochemical reduction of palladium(II) in the basic aluminium chloride + ——— molten salt (Sun, Hussey) 325
Microelectrode,
——— studies of fast switching in polyaniline films (Kalaji et al.) 289
Steady state concentrations and currents on an oblate spheroid ——— (Birke) 297
Microporous membranes,
comparative studies on the conductances and energetics of transport of aqueous solutions

of alkali chlorides through ——— without and with control of pores using potassium salt precipitates (Samanta, Basu) 235
Modified electrode,
electrical properties of electrodes modified by coordination polymers (Kanda, Munemori) 281

Nafion,
aspects of charge propagation through ———/$Os(bipy)_3^{2+/3+}$ films on glassy-carbon electrodes (Sharp et al.) 35
Nickel complex,
new stable modified electrodes coated by electroactive films of polypyrrole nickel(II)–bipyridine complex (Labbe et al.) 271
Nucleation and growth,
two-dimensional ——— on spherical electrodes (Harrington) 81

Oblate spheroid microelectrode,
steady state concentrations and currents on an ——— (Birke) 297
Osmium bipyridyl ion,
aspects of charge propagation through Nafion/——— films on glassy-carbon electrodes (Sharp et al.) 35
Oxygen,
catalysis by ad-atoms. Part III. Enhancement effect of Sn ad-atoms with ——— donation at Pt catalysts on H_2 oxidation in the gaseous phase (Shibata, Furuya) 245

Palladium ion,
electrochemical reduction of ——— in the basic aluminium chloride + 1-methyl-3-ethylimidazolium chloride molten salt (Sun, Hussey) 325
Phase formation,
anodic ——— on lead amalgam electrodes in sodium sulfide solution (Totland, Harrington) 61
Photocurrents,
alternating ——— under band–band excitation on n-GaAs electrodes (Sourisseau, Lorenz) 123
Platinum,
catalysis by ad-atoms. Part III. Enhancement effect of Sn ad-atoms with oxygen donation at ——— catalysts on H_2 oxidation in the gaseous phase (Shibata, Furuya) 245
Dynamic aspects of methanol oxidation on ——— electrodes by time resolved infrared reflection absorption spectroscopy (Matsuda et al.) 305
In-situ surface EXAFS study of copper underpotential deposition on ——— (111). Part I. The observation of strong in-plane scattering at submonolayer coverage (White, Abruña) 185
On the underpotential–overpotential transition in the deposition of silver on ——— (Alonzo, Scharifker) 167
Potential dependent FTIR spectra of carbon monoxide adsorbed at the ——— electrode/absolute methanol solution interface (Love, McQuillan) 263
Polyaniline,
microelectrode studies of fast switching in ——— films (Kalaji et al.) 289
Study of the redox reaction mechanisms of ——— using a quartz crystal microbalance (Daifuku et al.) 313
Poly(4-phenylaniline),
formation of ——— by electropolymerization of 4-aminobiphenyl or diphenylamine (Guay, Dao) 135
Polypyrrole,
electrochemical study of ———/dodecyl sulphate (Pernaut et al.) 225
Polypyrrole glucose oxidase electrode,
electrochemistry of the ——— (Bélanger et al.) 143
Polypyrrole nickel(II)–bipyridine complex,
new stable modified electrodes coated by electroactive films of ——— (Labbe et al.) 271
Poly(2,5-thiophenediyl),
examination of electrically conducting films of ——— by cyclic voltammetry and ellipsometry. Part II (Plieth et al.) 213
Polyvinylferrocene,
thermodynamic changes in ion and solvent populations accompanying redox switching in ——— films (Hillman et al.) 157
Pore control,
comparative studies on the conductances and energetics of transport of aqueous solutions of alkali chlorides through microporous membranes without and with control of pores using potassium salt precipitates (Samanta, Basu) 235
Potassium salt,
comparative studies on the conductances and energetics of transport of aqueous solutions of alkali chlorides through microporous

membranes without and with control of pores using ——— precipitates (Samanta, Basu) 235
Prussian Blue,
membrane properties of ——— films on electrodes (Kulesza, Doblhofer) 95

Quartz crystal microbalance,
study of the redox reaction mechanisms of polyaniline using a ——— (Daifuku et al.) 313

Redox switching,
thermodynamic changes in ion and solvent populations accompanying ——— in polyvinylferrocene films (Hillman et al.) 157

Shielding factor,
determination of heterogeneous kinetics using the channel electrode. Analytical equations for ——— measurements (Unwin, Compton) 249
Silicon/aqueous electrolyte boundary,
dynamic interfacial processes at the amorphous ——— (Stumper, Lewerenz) 11
Silver,
on the underpotential–overpotential transition in the deposition of ——— on platinum (Alonzo, Scharifker) 167
Sodium fluoride,
zero charge potential and structure of the electric double layer of the (0001) face of a cadmium single crystal in ——— solution (Naneva et al.) 179
Sodium sulfide,
anodic phase formation on lead amalgam electrodes in ——— solution (Totland, Harrington) 61
Spherical electrodes,
two-dimensional nucleation and growth on ——— (Harrington) 81

Time-resolved photoelectrochemistry,
anodic film formation on illuminated n-GaAs electrodes studied by ——— (Gruszecki et al.) 117
Tin,
catalysis by ad-atoms. Part III. Enhancement effect of ——— ad-atoms with oxygen donation at Pt catalysts on H_2 oxidation in the gaseous phase (Shibata, Furuya) 245
Two-dimensional nucleation and growth,
——— on spherical electrodes (Harrington) 81

Underpotential–overpotential transition,
on the ——— in the deposition of silver on platinum (Alonzo, Scharifker) 167
Uranium diphthalocyanine,
spectroelectrochemical properties of ——— (Corbeau et al.) 107

Zero charge potential,
——— and structure of the electric double layer of the (0001) face of a cadmium single crystal in NaF solution (Naneva et al.) 179